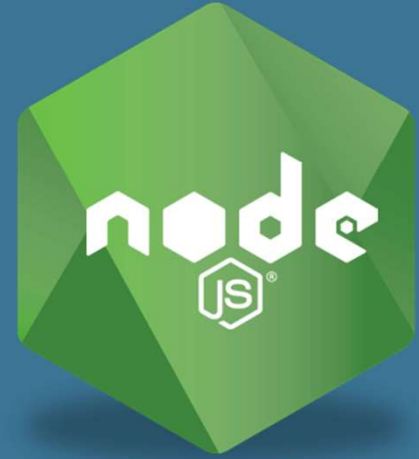


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PART – 4



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Crash Course

- Request & Response
- Process & Env Variables
- Console & Progress Bar

Contents

- **Request & Response**
- Process & Environment Variables
- Console
- Progress Bar



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Request & Response

- **Request & Response** means simply input and output to *transfer data between client and server*.
- Request considered as Input, It can be sent json data, blob data, stream data etc.,
- Response considered as Output. It can also send the json data, blob data, stream data to requested user.
- We can send requests and can receive responses in Node.js using **https** package for public domains and **http** for local domains.
- **axios** third party library also can be used.



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Process & Environment Variables

Process:

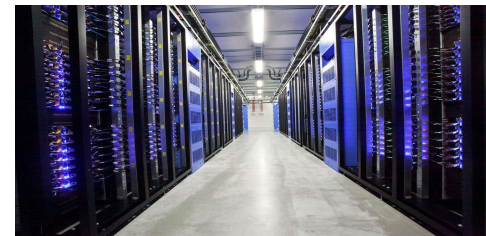
- The **process** object in Node.js is a global object and can be accessed from anywhere. There are several methods available in a process object.

Environment Variables:

- Environment variables are extremely helpful while working in different environments like development, production.
- It will be configured according to the environment. It can be accessed through the process only, we can't directly access these environment variables.



Development



Production



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Console

- Console used to debug the programs, it has many different methods like **log()**, **error()**, **warn**, **info()**, **time()**, **timeEnd()** etc.,
- **console.log()** is the mostly common used method.
- We can apply color to the console messages. **chalk** package will be used to achieve this.
- **time()** and **timeout()** methods will be useful when we want to check how much time a particular function is executing.

```
users(): 1.574ms
```

```
=====
100% Completed!
```

```
=====
Something went wrong!
```



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Progress Bar

- Progress bar mostly used to display the status of the particular operation, example while we are installing any package or while we are doing heavy operation, displaying the progress is always helpful.
- **progress** package will be helpful to do this.
- It has many different progress options like bar, current, total, percent, elapsed, eta etc.,
- It has options like total, complete options to give total length of the progress and what symbol should be displayed while executing something.

```
=====
100% Completed!
```



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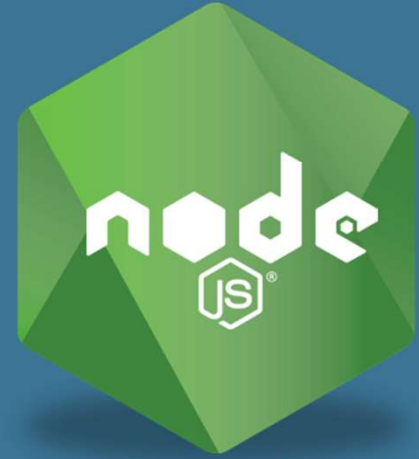
PART – 5

Next part

MySQL Crash Course



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